

In each of the following, write an equation for the specified line:

1. through $(1, -6)$ with slope 3.
2. through $(-1, 2)$ with slope $-\frac{1}{2}$
3. the vertical line through $(0, -3)$
4. through $(-3, -6)$ and $(1, -2)$
5. the horizontal line through $(0, 2)$
6. through $(3, 3)$ and $(-2, 5)$
7. with slope -3 and y-intercept 5
8. through $(3, 1)$ and parallel to $2x - y = -2$
9. through $(4, -12)$ and parallel to $4x + 3y = 12$
10. through $(-2, -3)$ and perpendicular to $3x - 5y = 1$
11. through $(-1, 2)$ and perpendicular to $\frac{1}{2}x + \frac{1}{3}y = 1$
12. with x-intercept 3 and y-intercept -5
13. the line $y = f(x)$ where f has the following values:

x	-2	2	4
$f(x)$	4	2	1
14. through $(4, -2)$ with x-intercept -3